Complete this section for ***each*** land application outfall at the facility.

II. WASTEWATER CHARACTERIZATION, TREATMENT, and DISPOSAL

B. SPECIFIC OUTFALL INFORMATION

Land Application Discharge Information for Outfall _____ (see instructions)

1. Type of Land Application System

☐ Liquid Wastes (continue to 2) ☐ By-product Solids (continue to 3) ☐ Sludge (continue to 3)

2. Manure Storage Facilities - Will liquid wastes or sludge be stored in a manure storage facility prior to land application?

☐ No. (continue to 3)
☐ Yes. If yes, provide the information requested below for *each* storage facility. (List any additional manure storage facilities on a separate sheet of paper and attach it to this application.)

Location:
Quarter-quarter Section _____, Quarter Section _____, Section _____, Township _____, Range _____.

Owner's Name

Owner's Address
P.O. Box, Street Address or Route

City or Village, State and Zip Code

Volume of manure storage facility _____ gallons

Volume of liquid waste stored in storage facility _____ gallons

Does the manure storage facility meet Soil Conservation Service design requirements? ☐ Yes ☐ No

3. Waste Sources - What is the source of liquid wastes, by-product solids or sludge?

4. Waste Volume - How much liquid wastes, by-product solids or sludge is land applied in an average year?

_____ gallons per year of liquid wastes

_____ tons (dry weight basis) per year of by-product solids

_____ tons (dry weight basis) per year of sludge

5. Application Frequency - How often will liquid wastes, by-product solids or sludge be land applied in an average year?

_____ days per year

6. Site Identification - Do all of your land application sites have Department ID numbers?

☐ Yes. (continue to 7)
☐ No. If no, for each approved site that lacks a Department ID number submit a copy of the Landspreading Approval Form for Land Application, Form 3400-122. For each site that the Department has not approved, complete and submit a Landspreading Site Evaluation Form, Form 3400-53.

7. Waste Storage - How is liquid wastes, by-product solids or sludge storage provided?

☐ On-site — Type of storage structure _____

☐ Off-site (owned by permittee) — Type of storage _____

Storage Location _____

☐ Off-site (contracted) — Type of storage structure _____

Storage Location _____

Owner _____

8. Waste Hauler - Who hauls the liquid wastes, by-products solids or sludge to the land application site?

☐ Plant Personnel
☐ Contract Hauler
Name _____

Company _____

☐ Other (specify)
Name _____

Address _____

9. Management Plan - Do you have an approved management plan for land application of the liquid wastes, by-product solids or sludge?

☐ No. (continue to the next section of the application)
☐ Yes. If yes:

When was the management plan approved by the Department?
Have any changes occurred in the waste or in the land application operation since the management plan was approved?

☐ No. (continue to the next section of the application)
☐ Yes. If yes, describe the changes below.

10. Provide at least one test result for each of the following parameters. Samples must have been collected within the last 5 years and must be representative of the current discharge.

Parameter	Result(s)		Units
	Maximum value	Average	
BOD_5 (5-day biochemical oxygen demand) **(liquid wastes only)**			mg/L
Suspended Solids, Total **(liquid wastes only)**			mg/L
Percent Solids **(by-product solids or sludge only)**			%
Total Kjeldahl Nitrogen (as N)			mg/L (as N)
Ammonia			mg/L (as N)
Nitrate plus nitrite **(liquid wastes only)**			mg/L (as N)
Phosphorus, Total			mg/L (as P)
Chloride			mg/L
PH			Standard units
Cadmium **(sludge only)**			mg/Kg dry weight
Copper **(sludge only)**			mg/Kg dry weight
Lead **(sludge only)**			mg/Kg dry weight
Nickel **(sludge only)**			mg/Kg dry weight
Zinc **(sludge only)**			mg/Kg dry weight

Name of laboratory performing analyses _____
Certification ID number _____

II. WASTEWATER CHARACTERIZATION, TREATMENT AND DISPOSAL

B. SPECIFIC OUTFALL INFORMATION

BY-PRODUCT SOLIDS and SILAGE STACKS for Outfall _____ (see instructions) Complete this section for ***each*** by-product stack.

1. Type of By-product Solids ☐ Sweet Corn Silage, or ☐ Other

2. Location of By-products Solids Stack

Quarter-quarter Section _____, Quarter Section _____, Section _____, Township _____, Range _____

3. Maximum Size of By-products Solids Stack _____ Tons

4. Anticipated Volume of Leachate _____ gallons per _____ (day, week or month)

5. Location and Size of Leachate Disposal Sites

	Name	Acres	Quarter-quarter Section	Quarter Section	Section	Township	Range
First Site							
Second Site							
Third Site							
Fourth Site							

(Please list any additional leachate disposal sites on a separate sheet of paper and attach it to this application.)

6. Stack Owner or Operator

☐ Same as Owner or Responsible Party as provided in Part I, B

☐ Other (specify) Name _____

Third-party Operator (if any) _____

INSTRUCTIONS

Land Application Discharge Information

You must complete this section for each land application discharge. If your facility has more than one such **Land Application Discharge** discharge, your application packet should contain a copy for each, identified with an outfall number. If you have a land application discharge outfall that has not been previously permitted, you should contact the Department for another copy of this form. Or you may make a copy of one of the forms you received before filling it out, change the outfall identifier number on the copy and complete the form with the new outfall information.

Item 1. Type of Land Application System - Identify the type of waste that is applied to the land.

Liquid Waste includes silage leachate, whey, whey permeate and filtrate, contact cooling water, cooling and boiler water containing water treatment additives and wash water generated in industrial, commercial and agricultural operations excluding certain fruit and vegetable washing facilities. If you generate by-product solids and collect leachate from a stack or stacks, your permit will regulate each as a separte outfall.

By Product Solids are waste materials from animal product or food processing industries including remains of butchered animals, paunch manure, leaves, cuttings, peelings and fresh or actively fermenting sweet corn silage. If you generate by-product solids and collect leachate from a stack or stacks, your permit will regulate each as a separte outfall. If you stack by-product solids, you should also complete a separate form for providing information on the stacking activity.

Sludge means the accumulated solids generated during biological, physical or chemical treatment, coagulation or sedimentation of water or wastewater.

Item 2. Manure Storage Facilities - This item is only applicable to the land application of liquid wastes. If liquid wastes are not being land applied, continue on to Item 3 without completing this item. If liquid wastes are being land applied, indicate whether or not they will be temporarily stored in a manure storage facility before being land application. If yes, give the location of the manure storage facility to the nearest quarter-quarter section, the owners name and address, the total volume of the manure storage structure, the volume of waste that your facility stores in the structure and indicate whether or not the manure storage facility meets Soil Conservation Service design requirements.

The requested location description of the manure storage facility is similar to the legal description of a tract of land and can be found in a plat book of the county in which the land treatment system is located. Provide the quarter-quarter section (NE, NW, SE or SW), quarter section (NE, NW, SE or SW), section (1 through 36), township (1 through 53 and always north, 30 N for example) and range (1 through 30 east or 1 through 20 west, 3 E for example) of the tract of land on which the manure storage facility is located.

Item 3. Waste Sources - Describe the origin of the wastes that are land applied. Explain the processes that produce the wastes and any unusual materials or toxic chemical compounds that may be included in the wastes.

Item 4. Waste Volume - Indicate the amount of liquid wastes in gallons, by-product solids and sludge in tons (on a dry weight basis) that are land applied during a typical year.

Item 5. Application Frequency - List the total number of days in the typical year that you will haul wastes for land application. Count days rather than loads. For example, if you haul three truck loads of solids per day, but do this one day a year, list one day per year.

Item 6. Site Identification - Indicate whether or not all of the fields being used for land application of the wastes have a Department identification number. If not, submit a copy of the Landspreading Approval Form for Land Application (Form 3400-122) that the Department sent you when it approved the site. Complete and submit a Landspreading Site Evaluation Form (Form 3400-53) for each site that has not been approved by the Department.

Item 7. Waste Storage - Indicate where you store the waste prior to land application, the type of storage structure used, the location of the storage structure if other than the site of generation, and the owner of the storage site if you do not own it.

Item 8. Waste Hauler - Indicate who hauls the waste to the land application site. If you hire a commercial hauler to apply the waste, provide the name and address of the operator of the hauling company. If someone other than you or a commercial hauler hauls the waste, provide the name and address of that person.

Item 9. Management Plan - Chapter NR 214, Wis. Adm. Code requires the operation of a land application system to conform with a management plan that is prepared by the owner or operator and is approved by the Department. Indicate whether or not the Department has approved a management plan for land application of the waste. If one has been approved, provide the approval date and describe any changes in the waste or operation that have occurred since the plan was approved. Examples changes include an increase in the amount of wastes that are land applied, production process changes that change the characteristics of the waste that is land applied, a change in the method of land application, etc.

Item 10. Test Results - Provide a test result for each parameter in the table (except where exempted based on the type of waste) from at least one sample collected from a location that is representative of the discharge being directed to the land treatment system. Report single results in the maximum column.

Collect samples on days when the processing facility is operating at normal levels. The sample or samples must be analyzed by a laboratory that is certified or registered under Chapter NR 149, Wisconsin Administrative Code for each of the test parameters. Provide the results in the spaces given and provide the name and certification number of the laboratory performing the analyses.

Any monitoring results collected within the last 5 years may be used toward the monitoring required by the application if the monitoring results are representative of the current discharge. If more than one result meeting these criteria are available, report the maximum result and the average of the individual values in the spaces provided.

INSTRUCTIONS

By-Product Solids and Silage Stacks

You must complete this section for each stack location. If your facility has stacks in more than one location, you must make a copy of this section for each additional stack location. There will be only one outfall number for your by-product solids even if you have more than one stack location.

Item 1. Type of By-product Solids - Indicate what type of by-product solids is being staked: sweet corn silage or some other type such as beans, peas etc.

Item 2. Location of By-product Solids Stack - Provide the location of the stack to the nearest quarter-quarter section. The requested location description is similar to the legal description of a tract of land and can be found in a plat book. Provide the quarter-quarter section (NE, NW, SE or SW), quarter section (NE, NW, SE or SW), section (1 through 36), township (1 through 53 and always north, 30 N for example) and range (1 through 30 east or 1 through 20 west, 3 E for example) of the tract of land on which the stack is located.

Item 3. Maximum Size of By-products Solids Stack - Provide the maximum size of the stack, in tons, that will be stored in the stack.

Item 4. Anticipated Volume of Leachate - Estimate the volume of leachate that will be produced at the stack. Indicate the number of gallons that will be produced per day, per week, or per month.

Item 5. Location and Size of Leachate Disposal Sites - List the leachate disposal sites you use and provide the acreage of the site and the location of the site to the nearest quarter-quarter section. Indicate the primary site used as well as two alternate sites you may have. List all leachate sites used, if more than three are available.

Item 6. Stack Owner or Operator - Provide the name of the owner of the by-products solids or silage stack if different from the facility owner. If the stack is owned by one party, used by the facility, but maintained by a third party, give the name of the owner and the third party that maintains the stack.